

REMOTELY ACTUATED SYSTEM FOR BONE CEMENT DELIVERY

ABSTRACT

An injection system for delivering viscous fluids is disclosed. Exemplary fluids included flowable hard tissue implant material such as Polymethylmethacrylate (PMMA). The system comprises a manual actuator, a control line and a dispenser. The control line may be flexible cable set within a housing running between the actuator and dispenser head. In which case, the actuator is designed to enable reciprocal movement of the cable relative to the cable housing. The actuator may be designed for one-handed use like a syringe. Components of the dispenser may be utilized as a mixing vessel prior to inserting a drive unit to enable fluid delivery. Prior to use, fluid is loaded into a portion section of the drive unit from a reservoir section of the dispenser head by retracing the cable via the retractor. Fluid is expelled from the dispenser portion of the system upon advancing the cable.